

Bulletin

of the

NEW BEDFORD INSTITUTE OF TECHNOLOGY

NEW BEDFORD, MASS.



1958-1959

EVENING DIVISION CATALOGUE

New Bedford Institute Of Technology

LIST OF INSTRUCTORS
GENERAL INFORMATION
LIST OF COURSES

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JOHN F. WAREING	<i>Instructor in Electrical Engineering</i>
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MILTON E. PARKER, B.S.	<i>Visiting Professor, Lecturer in Food Engineering</i>
EDWARD S. RUDNICK, B.S. in M.E., M.S. in T.T.	<i>Visiting Professor, Lecturer in Quality Control</i>
HANS E. PICARD, B.S. in E.E.	<i>Visiting Instructor in Electronics</i>

THE EVENING SCHOOL

Organization and Purpose

The Evening School is an integrated administrative unit of the New Bedford Institute of Technology. It is oriented to the need for supplying competently trained personnel to the professions and industries which the Institute serves. In addition, courses are offered to meet a growing need for the continuing education for the adult community.

Entrance Requirements

Entrance requirements vary with the subject selected. Subjects taken for college credit, the requirement is graduation from a recognized high school. Applicants for credit in any course are required to present qualifying records. For all other programs, the only requirement, in general, is graduation from grammar school and the necessary professional or industrial experience.

Registration

Registration forms may be procured in advance at the office of the Registrar. Registration is normally held during the second week of September for the Fall term and during the second week in December for the Spring term. No new registrations will be accepted after the first two weeks of classes have been held except with permission of the Director of Evening School and the Instructor concerned. Students cannot apply for a transfer to a college credit program after the first two weeks of classes.

Tuition and Fees

Tuition and Fees charged for attendance at the Evening School are as follows:

1. Non-credit courses are available without tuition charge to residents of New Bedford. (This is in lieu of a \$10,000 annual grant to the Institution from the city of New Bedford.)
2. Non-credit courses have a tuition charge of \$10.00 per course to non-residents of New Bedford.
3. A \$5.00 fee per credit hour is charged to all students enrolled in a credit course for college credit.
4. Tuition charges according to items 1 and 2 above are applied to students enrolled in a credit course but not seeking college credit.
5. A \$2.00 laboratory fee is required of students enrolled in Chemistry and Machine Shop courses.
6. No refunds for evening school classes will be made after two weeks from the date of enrollment in any class. An application for refund must be made by the student concerned; it is not the function of the Institute.

Attendance

Students must attend 70% of classes held and complete prescribed assignments in order to receive a certificate for the subject. Students in college-credit courses must be present for 80% of scheduled classes.

The academic year consists of two 12 week semesters in the Evening School. The first semester begins at the end of September and extends to the middle of December. The second semester starts during the first week of January and is completed about the end of March.

The sessions per week and the semesters required to complete a subject are shown with each course. A session consists of 1½ hour period. In most courses, one session is given in one night, however, due to the nature of the course, in some cases two sessions (three hours) are completed in one night. Number of credits offered for courses are shown in listing of courses.

Grading System

The system as used in the day program will be adhered to.

COURSES OFFERED — NON CREDIT

TEXTILE DEPARTMENT

Yarn Preparation Division:

		SESSIONS PER WEEK	SEMESTERS
TE-101, 2	Picking, Carding, Drawing	2	2
TE-201A	Roving Frames	2	1
TE-201B	Spinning	2	1
TE-302	Combing	2	1
TE-203	Cotton Classing	1	1
TE-202	Advanced Calculations	2	1
TE-304	Time Study	1	2

Weaving Division:

TE-501	Elementary Loom Fixing	2	1
TE-502	Draper Loom Fixing	2	1
TE-503	Automatic Box Loom Fixing	2	1
TE-504	Jacquard Loom Fixing	2	1

Knitting Division:

TE-241, 2	General Knitting	2	2
TE-245	Flat Knitting	2	1
TE-246	Warp Knitting	2	1
TE-350, 1	Power Sewing	1	1
TE-352, 3	Sewing Machine Maintenance	1	1

Design Division:

		SESSIONS PER WEEK	SEMESTERS
TE-161, 2	Weave Formation I	2	2
TE-261, 2	Weave Formation II	2	2
TE-163, 4	Fabric Analysis I	2	2
TE-263, 4	Fabric Analysis II	2	2
TE-361, 2	Jacquard Designing	2	2
TE-167, 8	Fabric Classification	1	2
TD-210	Fashion Illustration	2	2
TD-306	Screen Printing	2	1
TD-111	Art Appreciation	1	1
TD-105	Drawing & Painting	2	2

Testing and Microscopy Division:

TE-182, 3	Physical Testing	2	1
TE-184, 5	Microscopy	2	1
TE-283, 4	Photomicroscopy	2	1

ELECTRICAL ENGINEERING DEPARTMENT

EE-010	Basic Electric Circuit Theory	1	2
EE-011	Capacitor Theory and Application	1	2
EE-012	Elementary Electronics	2	2
EE-013	Introduction to Electric Machinery	1	2

MECHANICAL ENGINEERING DEPARTMENT

ME-501, 2	Engineering Drawing	2	2
ME-503, 4	Advanced Engineering Drawing	2	2
ME-505, 6	Advanced Engineering Drawing	2	2
ME-507	Tool Design	2	2
ME-521	Elementary Strength of Materials	1	2
ME-522	Machine Design	2	1
ME-510	Machine Shop Practice	2	2
ME-511	Advanced Machine Shop Practice	2	2

CREDIT COURSES**MATHEMATICS DEPARTMENT**

		SESSIONS PER WEEK	SEMESTERS	CRS.
M-010	Pre-College Mathematics	2	2	0
M-101	College Mathematics I	3	1	5
M-102	College Mathematics II	3	1	5
M-110	Slide Rule Fundamentals	1	1	0
M-203	Differential Calculus	2	1	3
M-204	Integral Calculus	2	1	3
M-407	Statistics	1	2	3

ELECTRICAL ENGINEERING DEPARTMENT

		SESSIONS PER WEEK	SEMESTERS	Crs.
EE-313	Electric Circuits and Machines D.C.	2	1	3
EE-314	Electric Circuits and Machines A.C.	2	1	3
EE-303	Fundamentals of Electronics	2	1	3
EE-304	Engineering Electronics I	2	1	3
EE-405	Engineering Electronics II	2	1	3
EE-417	Electrical Transients	1	2	3

MECHANICAL ENGINEERING DEPARTMENT

ME-310	Mechanics (Dynamics)	1	2	3
ME-214	Mechanics (Statics)	1	2	3
ME-121	Engineering Drawing	2	2	2

BUSINESS ADMINISTRATION DEPARTMENT

	Accounting Principles (Elementary)	1	2	3
H-232	Introduction to Business	1	2	3
	Federal Income Tax	1	2	0

SOCIAL SCIENCE AND HUMANITIES DEPARTMENT

H-110	General Psychology	1	2	3
H-413	Psychology of Adjustment	1	2	3
H-340	Sociology	1	2	3
H-120	Government	1	2	3
H-411	Industrial Psychology	1	2	3
H-421	U. S. History	1	2	3
H-230	Economics	1	2	3
H-442	World History	1	2	3
H-480	Public Relations	1	2	3

ENGLISH DEPARTMENT

E-101	College English I	2	1	3
E-102	College English II	2	1	3

CHEMISTRY DEPARTMENT

Ch-010	General Inorganic Chemistry	2	2	0
Ch-111	Inorganic Chemistry	2	2	4
Ch-112	Inorganic Chemistry II	2	2	4
Ch-113	Qualitative Analysis	2	2	4
Ch-211	Elementary Quantitative Analysis	2	2	4
Ch-212	Elementary Quantitative Analysis	2	2	4
Ch-221	Introductory Textile Chemistry	2	2	4
Ch-231	Elementary Organic Chemistry	2	2	4
Ch-232	Elementary Organic Chemistry II	2	2	4
Ch-331	Advanced Organic Chemistry	2	2	4
Ch-222	Elementary Dyeing	2	2	4

		SESSIONS PER WEEK	SEMESTERS	Crs.
Ch-341	Textile Printing I	2	2	4
Ch-342	Textile Printing II	2	2	4
Ch-321	Advanced Dyeing I	2	2	4
Ch-421	Advanced Dyeing II	2	2	4
Ch-114	Stoicheiometry	2	2	4
Ch-311	Instrumental Analysis	2	2	4
Ch-312	Instrumental Analysis II	2	2	4
Ch-351	Bacteriology	2	2	4
Ch-352	Microbiology	2	2	4
Ch-411	Physical Chemistry	2	2	4
Ch-412	Physical Chemistry II	2	2	4
Ch-441	Industrial Chemical Analysis	2	2	4
Ch-442	Industrial Chemical Analysis II	2	2	4
Ch-451	Textile Finishing	2	2	4
Ch-452	Textile Finishing II	2	2	4



